

**What is claimed is:**

1. A method for connecting a media player to a remote server, the method comprising:

processing a request for connecting to a remote server  
5 while reproducing data recorded on an enhanced navigation medium;

processing connection information recorded on the enhanced navigation medium to determine whether connection to the remote server is permitted; and

10 requesting connection to the remote server, if connection to the remote server is permitted in accordance with the connection information.

2. The method of claim 1, wherein the connection  
15 information is recorded in a start-up file that is read prior to reproduction of the data recorded on the enhanced navigation medium.

3. The method of claim 2, wherein the start-up file  
20 comprises information associated with a list of additional contents to be loaded before the data on the enhanced navigation medium is reproduced.

4. The method of claim 2, wherein the start-up file  
25 comprises information associated with a right to reproduce the

data recorded on the enhanced navigation medium.

5. The method of claim 2, wherein the start-up file comprises information associated with a region code.

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6. The method of claim 2, wherein the start-up file comprises information associated with a language of the additional contents.

10 7. The method of claim 2, wherein the start-up file comprises information associated with memory management.

8. The method of claim 2, wherein the start-up file comprises information associated with a file to be processed  
15 after the start-up file is processed.

9. The method of claim 1, wherein the connection information comprises a list of servers to which the media player may connect.

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10. The method of claim 1, wherein the connection information comprises a list of servers to which the media player may not connect.

25 11. The method of claim 1, wherein the data recorded on

the enhanced navigation medium comprises audio/video (A/V) data.

12. The method of claim 11, wherein the data recorded on the enhanced navigation medium comprises additional contents  
5 associated with the A/V data.

13. The method of claim 12, wherein the A/V data and the additional contents are reproduced in synchronization.  
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14. The method of claim 1, wherein the connection information comprises at least one connection address for connecting to the remote server.

15 15. The method of claim 1, wherein a start-up file comprises the connection information, wherein the start-up file comprises information associated with a walled-garden file, comprising location information about at least one server.

20 16. The method of claim 15, wherein the walled-garden file comprises information about at least one server to which the media player may connect to retrieve additional contents associated with the data recorded on the enhanced navigation medium.

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17. The method of claim 15, wherein the walled-garden file comprises information about at least one server to which the media player may not connect to retrieve additional contents associated with the data recorded on the enhanced navigation  
5 medium.

18. The method of claim 15, wherein the walled-garden file comprises at least one entry associated with loading information that controls access to information available on the  
10 at least one server.

19. The method of claim 18, wherein the loading information comprises at least a condition for loading information available on the at least one server.  
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20. The method of claim 19, wherein the loading information comprises at least one of a language or a profile supported by the media player.

20 21. A method for processing a connection request of an enhanced navigation media player, the method comprising:

determining a current operating mode and connection limitation information, in response to a connection request for connecting the player to a remote server; and  
25 submitting the request to the remote server to establish a

connection, based on the current operating mode and the connection limitation information.

22. The method of claim 21, wherein the connection request is submitted, if the current operating mode is an enhanced navigation playback mode.

23. The method of claim 21, wherein the connection request is submitted, if the connection limitation information provides permission for the remote server to be contacted.

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24. The method of claim 21, wherein the connection request is submitted, if the current operating mode is an interactive disk playback mode and if the connection limitation information indicates that the remote server may be contacted.

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25. The method of claim 21, wherein the connection limitation information is recorded in a start-up file residing on an enhanced navigation medium.

20 26. The method of claim 25, wherein the start-up file is read prior to the player reproducing data recorded on the enhanced navigation medium.

27. The method of claim 25, wherein the start-up file comprises information associated with a list of additional

contents to be loaded before data recorded on the enhanced navigation medium is reproduced.

28. The method of claim 25, wherein the start-up file  
5 comprises information associated with a right to reproduce data recorded on the enhanced navigation medium.

29. The method of claim 25, wherein the start-up file comprises information associated with a region code.

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30. The method of claim 27, wherein the start-up file comprises information associated with at least one of a language of the additional contents, a memory management, and a file to be processed after the start-up file is read.

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31. An enhanced navigation media player for processing data recorded on a recording medium, the player comprising:

an audio/video (A/V) player engine; and

an enhance navigation (ENAV) engine,

20 wherein if the recording medium is not an enhance navigation medium then A/V data recorded on the recording medium is reproduced by the A/V player engine, and

wherein if the recording medium is an enhanced navigation medium, than a start-up file is loaded into a first memory so  
25 that the ENAV engine can extract connection information about at

least one server with additional contents.

32. The player of claim 31, wherein the start-up file comprises information associated with a walled-garden list that  
5 provides the connection information about the at least one server.

33. The player of claim 31, wherein the start-up file comprises loading information that controls access to the  
10 additional contents available on the at least one server.

34. The player of claim 33, wherein the loading information comprises at least a condition for loading the additional contents available on the at least one server.  
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35. The player of claim 34, wherein the loading information comprises a language condition to limit access to the additional contents available on the at least one server based on the language condition.  
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36. The player of claim 34, wherein the loading information comprises a profile condition to limit access to the additional contents available on the at least one server based on the profile condition.  
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37. The player of claim 34, wherein the loading information comprises parental condition to limit access to the additional contents available on the at least one server based on the parental condition.

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38. The player of claim 32, wherein the connection information limits access to at least one remote server.

39. The player of claim 32, wherein the connection  
10 information permits access to at least one remote server.

40. An enhanced navigation recording medium comprising:  
audio/video (A/V) data; and  
connection information for controlling access to additional  
15 contents available through at least one remote server, wherein the  
additional contents is reproduced in synchronization with the A/V  
data.

41. The medium of claim 40, wherein the connection  
20 information comprises at least a condition for loading the  
additional contents available on the at least one server.

42. The medium of claim 41, wherein the connection  
information comprises a language condition to limit access to the



additional contents available on the at least one server based on the language condition.

43. The medium of claim 41, wherein the connection  
5 information comprises a profile condition to limit access to the additional contents available on the at least one server based on the profile condition.

44. The player of claim 41, wherein the connection  
10 information comprises parental condition to limit access to the additional contents available on the at least one server based on the parental condition.

45. The player of claim 41, wherein the connection  
15 information limits access to the at least one remote server.

46. The player of claim 41, wherein the connection information permits access to the at least one remote server.

20 47. A method of playing back audio/video (A/V) data recorded on an enhanced navigation medium, the method comprising:  
identifying a playback mode;  
decoding a start-up file recorded on the enhanced navigation medium, if the playback mode identifies an enhanced

navigation mode, wherein the start-up file comprises first an second information;

decoding the first information to determine location of at least one remote server that provides access to additional  
5 contents to be played back in synchronization with the A/V data;  
and

decoding the second information to determine at least one condition associated with the additional contents.

10 48. The method of claim 47, further comprising:

launching a first enhanced navigation application based on the decoded first and second information.

49. The method of claim 47, wherein the second  
15 information comprises at least one of a profile, language, and parental condition for loading the additional contents.